REMARKS

Applicant respectfully requests reconsideration and allowance of the subject application. Claims 20-29 and 35-36 were previously withdrawn from consideration, and are canceled without prejudice as part of this response. Claims 3 and 16 have been incorporated into their respective base claims, and are canceled without prejudice as part of this response. Claims 1, 2, 4-15, 17-19, and 30-34 are pending in this application.

35 U.S.C. § 102

Claims 1-19 and 30-34 stand rejected under 35 U.S.C. §102(e) as being unpatentable over U.S. Patent Application Publication No. 2004/0039993 A1 to Kougiouris et al. (hereinafter "Kougiouris"). Applicant respectfully submits that claims 1, 2, 4-15, 17-19, and 30-34 are not anticipated by Kougiouris.

Kougiouris is directed to automatic formatting and validating of text for a markup language graphical user interface (see, Title, and ¶ 4). In Kougiouris, an application program displays the GUI described in a markup language file (see, ¶ 69). A user interacts with a GUI element for which validation/formatting information is specified in the markup language file (see, ¶ 70), and a validation/formatting manager component determines the validating/formatting component associated with the GUI element for which an event was received (see, ¶ 72). The validation/formatting manager component requests the validation/formatting component to perform a validation/formatting operation on the GUI element text (¶ 74), and receives the request results from the validation/formatting component and proceeds accordingly (¶ 76).

With respect to claim 1, claim 1 has been amended to incorporate the elements of claim 3. Amended claim 1 recites:

> A method comprising:
> accessing a computer program;
> automatically identifying a set of one or more attributes of the computer program with values that are to be input to the computer program by a user; and
> creating one or more forms including selected ones of the set of one or more attributes.

Applicant respectfully submits that no such method is disclosed in Kougiouris.

Kougiouris discusses that GUIs often include text fields for accepting text input or displaying text output (see, ¶ 5). Kougiouris also discusses that a user interacts with a GUI element for which validation/formatting information is specified in the markup language file (see, ¶ 70). However, the simple discussion of GUIs and validation/formatting of inputs from a user interacting with the GUIs does not disclose the accessing, automatically identifying, and creating of claim 1. In claim 1, one or more forms including selected ones of a set of one or more attributes are **created**. Applicant respectfully submits that no creation of forms is discussed in Kougiouris. Kougiouris discusses that an application program displays the GUI described in a markup language file (see, ¶ 69), not creation of the GUI or of the markup language file.

Furthermore, the one or more forms that are created in claim 1 include selected ones of the set of one or more attributes. This set of one or more attributes is obtained by automatically identifying a set of one or more attributes of the computer program with values that are to be input to the computer program by a user. Kougiouris discusses GUIs and validation/formatting of inputs from a user interacting with the GUIs, not creation of a form(s) including a set of one or more

automatically identified attributes. Applicant respectfully submits that there is no discussion or mention in Kougiouris of creating one or more forms including selected ones of a set of one or more attributes automatically identified in such a manner as recited in claim 1. Without any such discussion or mention, Applicant respectfully submits that Kougiouris cannot disclose the method of claim 1.

Accordingly, for at least these reasons, Applicant respectfully submits that claim 1 is allowable over Kougiouris.

With respect to claims 2 and 4-10, given that claims 2 and 4-10 depend from claim 1, Applicant respectfully submits that claims 2 and 4-10 are likewise allowable over Kougiouris for at least the reasons discussed above with respect to claim 1.

With respect to claim 11, claim 11 has been amended to incorporate the elements of its base claim (claim 1). Claim 11 recites:

> A method comprising:
> accessing a computer program, wherein the computer program includes a plurality of interactions that each include one or more command definitions and one or more view definitions, wherein each command definition defines a command having various attributes and a behavior, and wherein each view definition defines a view that is a response to a request; and
> automatically identifying a set of one or more attributes of the computer program with values that are to be input to the computer program by a user wherein the automatically identifying comprises,
> > identifying, for each of the command definitions of each of the plurality of interactions, the methods of the command definition,
> > checking, for each identified method that sets a value, whether a corresponding identified method obtains the value, and
> > identifying, as an attribute of the set of one or more attributes, each attribute corresponding to a method that sets a

value for the attribute for which there is no corresponding
identified method that obtains the value for the attribute; and
outputting an identification of the set of one or more
attributes.

Applicant respectfully submits that no such method is disclosed in Kougiouris.

Kougiouris discusses that GUIs often include text fields for accepting text input or displaying text output (see, ¶ 5), and that a user interacts with a GUI element for which validation/formatting information is specified in the markup language file (see, ¶ 70). Kougiouris also discusses that the user performs an action causing the application to check the text that the user entered in a text field (see, ¶ 125). However, nowhere in Kougiouris is there any discussion or mention of identifying, for each of the command definitions of each of a plurality of interactions, the methods of the command definition, much less of **checking, for each identified method that sets a value, whether a corresponding identified method obtains the value** as recited in claim 11. Merely having a GUI and allowing a user to interact with that GUI, including entering text into a text field, does not provide any disclosure of checking, for each identified method that sets a value, whether a corresponding identified method obtains the value. As such, Applicant respectfully submits that Kougiouris cannot disclose the method of claim 11.

Accordingly, for at least these reasons, Applicant respectfully submits that claim 11 is allowable over Kougiouris.

With respect to claims 12-13, given that claims 12-13 depend from claim 11, Applicant respectfully submits that claims 12-13 are likewise allowable over Kougiouris for at least the reasons discussed above with respect to claim 11.

With respect to claim 14, claim 14 has been amended to incorporate the elements of claim 16. Amended claim 14 recites:

A method comprising:
accessing a computer program;
automatically identifying a set of one or more outputs of the computer program;
generating a list identifying the set of one or more outputs; and
outputting the list.

Applicant respectfully submits that no such method is disclosed in Kougiouris.

Kougiouris discusses that GUIs often include text fields for accepting text input or displaying text output (see, ¶ 5), and that a user interacts with a GUI element for which validation/formatting information is specified in the markup language file (see, ¶ 70). Kougiouris also discusses that an HTML file is used to create a GUI (see, ¶ 93). However, the simple discussion of GUIs and validation/formatting of inputs from a user interacting with the GUIs does not disclose the accessing, automatically identifying, and generating of claim 14. In claim 14, a list identifying the set of one or more outputs is **generated**. Applicant respectfully submits that no generation of such a list is discussed in Kougiouris. Kougiouris discusses that an application program displays the GUI described in a markup language file (see, ¶ 69), not creation of the GUI or of the markup language file.

Furthermore, the list that is created in claim 14 includes the set of one or more outputs. This set of one or more outputs is obtained by automatically identifying a set of one or more outputs of the computer program. Kougiouris discusses GUIs and validation/formatting of inputs from a user interacting with the GUIs, not generation of a list identifying a set of one or more automatically

identified outputs. Applicant respectfully submits that there is no discussion or mention in Kougiouris of generating or outputting such a list as recited in claim 14. Without any such discussion or mention, Applicant respectfully submits that Kougiouris cannot disclose the method of claim 14.

Accordingly, for at least these reasons, Applicant respectfully submits that claim 14 is allowable over Kougiouris.

With respect to claims 15 and 18, given that claims 15 and 18 depend from claim 14, Applicant respectfully submits that claims 15 and 18 are likewise allowable over Kougiouris for at least the reasons discussed above with respect to claim 14.

With respect to claim 17, claim 17 depends from claim 14 and Applicant respectfully submits that claim 17 is allowable over Kougiouris for at least the reasons discussed above with respect to claim 14. Furthermore, claim 17 recites:

> A method as recited in claim 14, further comprising creating one or more forms including selected ones of the set of one or more outputs.

Applicant respectfully submits that no such method is disclosed in Kougiouris.

As discussed above, Kougiouris discusses that GUIs often include text fields for accepting text input or displaying text output (see, ¶ 5), and that a user interacts with a GUI element for which validation/formatting information is specified in the markup language file (see, ¶ 70). Kougiouris discusses that an application program displays the GUI described in a markup language file (see, ¶ 69), not creation of the GUI or of the markup language file. Applicant respectfully submits that nowhere in Kougiouris is there any discussion or mention of **creating** one or more forms, much less of creating one or more forms including

selected ones of the set of one or more outputs as recited in claim 17. Without any such discussion or mention, Applicant respectfully submits that Kougiouris cannot disclose the method of claim 17.

Accordingly, for at least these reasons, Applicant respectfully submits that claim 17 is allowable over Kougiouris.

With respect to claim 19, claim 19 depends from claim 14 and Applicant respectfully submits that claim 19 is allowable over Kougiouris for at least the reasons discussed above with respect to claim 14. Furthermore, claim 19 recites:

> A method as recited in claim 14, wherein the computer program includes a plurality of interactions that each include one or more command definitions and one or more view definitions, wherein each command definition defines a command having various attributes and a behavior, wherein each view definition defines a view that is a response to a request, wherein the method further comprises creating a form for each of the plurality of interactions, and wherein each form includes one or more outputs for the corresponding one of the plurality of interactions.

Applicant respectfully submits that no such method is disclosed in Kougiouris.

As discussed above, Kougiouris discusses that GUIs often include text fields for accepting text input or displaying text output (see, ¶ 5), and that a user interacts with a GUI element for which validation/formatting information is specified in the markup language file (see, ¶ 70). Kougiouris discusses that an application program displays the GUI described in a markup language file (see, ¶ 69), not creation of the GUI or of the markup language file. Applicant respectfully submits that nowhere in Kougiouris is there any discussion or mention of **creating** a form, much less of creating a form for each of a plurality of interactions, wherein each form includes one or more outputs for the corresponding one of the plurality of interactions as recited in claim 19. Without

any such discussion or mention, Applicant respectfully submits that Kougiouris cannot disclose the method of claim 19.

Accordingly, for at least these reasons, Applicant respectfully submits that claim 19 is allowable over Kougiouris.

With respect to claim 30, claim 30 recites:

> One or more computer-readable media comprising computer-executable instructions that, when executed, direct a processor to generate a plurality of input forms and output forms for a computer program by:
> accessing the computer program to identify operations in the computer program that load attribute values and set attribute values;
> analyzing the identified operations to determine one or more user inputs to the computer program;
> automatically generating one or more input forms to allow a user to input at least some of the one or more user inputs;
> accessing the computer program to identify one or more outputs of the computer program; and
> automatically generating one or more output forms to present the outputs of the computer program.

Applicant respectfully submits that no such computer-readable media is disclosed or suggested in Kougiouris.

As discussed above, Kougiouris discusses that GUIs often include text fields for accepting text input or displaying text output (see, ¶ 5), and that a user interacts with a GUI element for which validation/formatting information is specified in the markup language file (see, ¶ 70). Kougiouris discusses that an application program displays the GUI described in a markup language file (see, ¶ 69), not creation of the GUI or of the markup language file. Applicant respectfully submits that nowhere in Kougiouris is there any discussion or mention of generating a form(s), much less of automatically generating one or more input forms to allow a user to input at least some of the one or more user inputs, and

automatically generating one or more output forms to present the outputs of the computer program as recited in claim 30.

Furthermore, in claim 30 the one or more input forms to allow a user to input at least some of the one or more user inputs are automatically generated. These one or more user inputs are obtained by accessing the computer program to identify operations in the computer program that load attribute values and set attribute values, and analyzing the identified operations to determine one or more user inputs to the computer program. However, Applicant respectfully submits that nowhere in Kougiouris is there any discussion or mention of such accessing, analyzing, and automatically generating. Merely having a GUI and allowing a user to interact with that GUI, including entering text into a text field, does not provide any disclosure of accessing the computer program to identify operations in the computer program that load attribute values and set attribute values, much less of performing the analyzing and automatically generating based on those identified operations as recited in claim 30. As such, Applicant respectfully submits that Kougiouris cannot disclose the computer-readable media of claim 30.

Accordingly, for at least these reasons, Applicant respectfully submits that claim 30 is allowable over Kougiouris.

With respect to claims 31, 32, and 34, given that claims 31, 32, and 34 depend from claim 30, Applicant respectfully submits that claims 31, 32, and 34 are likewise allowable over Kougiouris for at least the reasons discussed above with respect to claim 30.

With respect to claim 33, claim 33 depends from claim 30 and Applicant respectfully submits that claim 33 is allowable over Kougiouris for at least the

reasons discussed above with respect to claim 30. Furthermore, Applicant respectfully submits that, analogous to the discussion above regarding claim 11, nowhere in Kougiouris is there any discussion or mention of identifying, for each of the command definitions of each of a plurality of interactions, the methods of the command definition, much less of **checking, for each identified method that sets a value, whether a corresponding identified method obtains the value as** recited in claim 33. Accordingly, for at least these reasons, Applicant respectfully submits that claim 30 is allowable over Kougiouris.

Applicant respectfully requests that the §102 rejections be withdrawn.

Conclusion

Claims 1, 2, 4-15, 17-19, and 30-34 are in condition for allowance. Applicant respectfully requests reconsideration and issuance of the subject application. Should any matter in this case remain unresolved, the undersigned attorney respectfully requests a telephone conference with the Examiner to resolve any such outstanding matter.

Respectfully Submitted,

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